

ABSTRACT OF THE DISCLOSURE

SYSTEM AND METHOD FOR PROCESSING CONTROL INFORMATION FROM A GENERAL PROCESSOR THROUGH A DATA PROCESSOR OF A NETWORK 5 PROCESSOR

A method, system, program product, and data structure for processing network communication within a communication network from a general processor to a network processor. An informational frame is encapsulated into a packet for transmission within a communication network from a general processor to a network processor having a data processor and a control processor. If the informational frame is a control frame and the control processor is congested and if the control frame only needs message routing services from the locally connected network processor, the encapsulated packet is designated as a data-type packet so that the data processor processes the control frame. The encapsulated packet is then sent from the general processor to the network processor. The data processor decapsulates the encapsulated packet, parses the control frame and processes the control frame. The data processor directs and executes a control command defined within the control frame to a target control processor of a target network processor designated within the encapsulated packet.